

THD1560

Optimised LED display panel - 1.5mm pixel pitch



- Optimised, high-resolution indoor LED display panel
- Easy installation and maintenance surface mount and front access
- Ultra-thin panel depth discreet, space-saving design
- Ultimate reliability for peace of mind

Optoma is the one-stop solution provider for projection and LED displays with its range of 4K UHD, Full HD and custom LED displays.

The ultra-thin LED display panels blend discretely into any corporate, higher education, hospitality and digital signage environment. Perfect for individuals looking to invest in visual equipment, or looking to replace current Large Format Displays (LFD), Video Walls and direct view LED displays.

Easy to install, operate and maintain, they are designed for ultimate reliability and superior image quality.

The LED display panels can be mounted directly onto a suitable wall without a mounting frame. Front access gives fast, low-cost installation and easy maintenance.

Specifications

| Leran Poids Net 4.3kg | Ecran | |
|--|---------------------------------------|------------------------|
| LEDs Pixel pitch (H x V) 1.562mm 1.562 | | 1 3kg |
| Pixel pitch (H x V) | | T.ONY |
| LEDs per pixel Red wavelength (dominant) Green wavelength (dominant) S20nm (dominant) S30nm (domin | | 1.560mm |
| Red wavelength (dominant) Green wavelength (dominant) Blue wavelength (dominant) Pixels Pixels Pixels onfiguration SMD 3-1 LED face colour Black LED size SMD1010 Pixel resolution (width) 320 pixels/module Pixel sper area 409 600 pixels/module Pixels per area 409 600 pixels/m2 Module Active module height 281.25mm Standard active module area area Viewing angle - vertical Ingress protection (back) IP21 Ingress protection (back) IP21 Ingress protection (back) IP21 LED fixings Front access Storage temperature range -10 - +50°C Conditions de fonctionnement Operating temperature (min) Operating temperature (min) Couleur Greyscale processing depth of the signal of the signa | , | |
| Green wavelength (dominant) | | |
| Seen wavelength (dominant) | | 62Unm |
| Glominant Blue wavelength (dominant) | | 500nm |
| Blue wavelength (dominant) Pixels Pixel configuration SMD 3-1 LED face colour Black LED size SMD1010 Pixel resolution (height) 180 pixels/module Pixel resolution (height) 180 pixels/module Pixel resolution (height) 180 pixels/module Pixel par area 409 600 pixels/m2 Module Active module width 500mm Active module height 281.25mm Standard active module area Viewing angle - horizontal >160° Viewing angle - vertical 160° Ingress protection (front) 1943 Ingress protection (back) 1921 LED fixings Front access Storage temperature range -10 - +50°C Conditions de 10 - 90 non-condensing fonctionnement Operating temperature (min) Operating temperature (min) Operating temperature 50°C Couleur Greyscale processing 16 bits depth Number of colours 281 (trillions) Refresh rate >3660 Hz Luminosité Brightness (after calibration) Brightness (after calibration) Contrast ratio 4 000 Brightness control levels 256 Puissance Input power (max) 60watts per panel Other Mechanical alignment adjustment Mitering -90° | • | 5201111 |
| Cloumiant Pixels Pixel configuration LED face colour LED size SMD1010 Pixel resolution (width) 320 pixels/module Pixel resolution (height) 180 pixels/module Pixel resolution (height) 180 pixels/module Pixel sepr area 409 600 pixels/m2 Module Active module width Active module height 281.25mm Standard active module area area Viewing angle - horizontal Viewing angle - vertical Ingress protection (front) Ingress protection (front) Ingress protection (back) IP21 LED fixings Front access Storage temperature range Conditions de fonctionnement Operating temperature (min) Operating temperature (min) Operating temperature Greyscale processing depth Number of colours Refresh rate S600 Hz Luminosité Brightness (after calibration) Brightness (after calibration) Contrast ratio A 000 Brightness control levels 256 Puissance Input power (max) Other Mechanical alignment Mitering 90° | | 465nm |
| Pixel configuration SMD 3-1 LED face colour Black LED size SMD1010 Pixel resolution (width) 320 pixels/module Pixel resolution (height) 180 pixels/module Pixel resolution (height) 180 pixels/module Module Active module width Active module height 281.25mm Standard active module area 281.25mm Viewing angle - horizontal >160° Viewing angle - vertical >160° Ingress protection (front) IP43 Ingress protection (back) IP21 LED fixings Front access Storage temperature range -10 - +50°C Conditions de fonctionnement 10 - 90 non-condensing Operating temperature (min) -10°C Operating temperature (min) -10°C Operating temperature (min) 50°C Couleur Stitl (trillions) Refresh rate >3660 Hz Luminosité Brightness (before calibration) Brightness (before calibration) 650nits Contrast ratio 4 000 Brightness control levels 256 Puissance Input power (max) 60watts per panel Other Mechanical alignment adjustment Mitering <td< th=""><th></th><th>4001111</th></td<> | | 4001111 |
| Pixel configuration SMD 3-1 LED face colour Black LED size SMD1010 Pixel resolution (width) 320 pixels/module Pixel resolution (height) 180 pixels/module Pixel resolution (height) 180 pixels/module Module Active module width Active module height 281.25mm Standard active module area 281.25mm Viewing angle - horizontal >160° Viewing angle - vertical >160° Ingress protection (front) IP43 Ingress protection (back) IP21 LED fixings Front access Storage temperature range -10 - +50°C Conditions de fonctionnement 10 - 90 non-condensing Operating temperature (min) -10°C Operating temperature (min) -10°C Operating temperature (min) 50°C Couleur Stitl (trillions) Refresh rate >3660 Hz Luminosité Brightness (before calibration) Brightness (before calibration) 650nits Contrast ratio 4 000 Brightness control levels 256 Puissance Input power (max) 60watts per panel Other Mechanical alignment adjustment Mitering <td< th=""><th></th><th></th></td<> | | |
| Black | | SMD 3-1 |
| LED size SMD1010 Pixel resolution (width) 320 pixels/module Pixel resolution (height) 180 pixels/module Pixels per area 409 600 pixels/m2 Module Active module width 500mm Active module height 281.25mm Standard active module area Viewing angle - horizontal >160° Viewing angle - vertical 160° Ingress protection (front) 1P43 Ingress protection (back) IP21 LED fixings Front access Storage temperature range -10 - +50°C Conditions de 10 - 90 non-condensing fonctionnement Operating temperature (min) Operating temperature 50°C Couldur Greyscale processing 16 bits depth Number of colours 281 (trillions) Refresh rate >3660 Hz Luminosité Singhtness (after callibration) Brightness (after callibration) Contrast ratio 4 000 Brightness control levels 256 Puissance Input power (max) 60watts per panel Mitering -90° | | |
| Pixel resolution (width) Pixel resolution (height) Pixel resolution (height) Pixel resolution (height) Pixel sper area 409 600 pixels/module Active module width Active module height Standard active module area Viewing angle - horizontal Viewing angle - vertical Ingress protection (front) Ingress protection (front) Ingress protection (back) IP21 ILED fixings Front access Storage temperature range -10 - +50°C Conditions de fonctionnement Operating temperature (min) Operating temperature (max) Couleur Greyscale processing depth Number of colours Refresh rate Luminosité Brightness (before calibration) Frightness (after calibration) Contrast ratio Brightness (after calibration) Contrast ratio Frightness (after calibration) Frightness (alignment adjustment Mitering -90° | | |
| Pixel resolution (height) 180 pixels/module Pixels per area 409 600 pixels/m2 Module Active module width Active module height 281.25mm Standard active module area 0.1406m2 Viewing angle - horizontal >160° Viewing angle - vertical >160° Ingress protection (front) IP43 Ingress protection (back) IP21 LED fixings Front access Storage temperature range -10 - +50°C Conditions de fonctionnement 10 - 90 non-condensing Operating temperature (min) -10°C Operating temperature 50°C (max) -0°C Couleur Greyscale processing depth Getyscale processing depth 16 bits Number of colours 281 (trillions) Refresh rate >3660 Hz Luminosité Brightness (before calibration) Brightness (after calibration) 650nits Contrast ratio 4 000 Brightness control levels 256 Puissance Input power (max) 60watts per pa | | |
| Pixels per area 409 600 pixels/m2 | , , | • |
| Module Active module width 500mm Active module height 281.25mm Standard active module 281.25mm Standard active module 3160° Viewing angle - horizontal 3160° Viewing angle - vertical 3160° Ingress protection (front) 3184 Ingress protection (back) 3182 IED fixings Front access Storage temperature range 310 - 90° Conditions de 310 - 90 non-condensing fonctionnement Operating temperature 30° Couleur Greyscale processing 316 bits Ground 316 bits Ground 317 Contrast ratio 4000 Brightness (before 318 calibration) Contrast ratio 4000 Brightness control levels 256 Puissance Input power (max) 60watts per panel Mitering 4000 | | |
| Active module width 500mm Active module height 281.25mm Standard active module 0.1406m2 area Viewing angle - horizontal >160° Viewing angle - vertical >160° Ingress protection (front) IP43 Ingress protection (back) IP21 LED fixings Front access Storage temperature range -10 - +50°C Conditions de 10 - 90 non-condensing fonctionnement Operating temperature (min) Operating temperature 50°C Couleur Greyscale processing 16 bits depth Number of colours 281 (trillions) Refresh rate >3660 Hz Luminosité Brightness (before calibration) Brightness (after calibration) Brightness (after calibration) Grightness control levels 256 Puissance Input power (max) 60watts per panel Mitering -90° | · · · · · · · · · · · · · · · · · · · | 400 000 pix6i8/11/2 |
| Active module height 281.25mm Standard active module area Viewing angle - horizontal >160° Viewing angle - vertical >160° Ingress protection (front) IP43 Ingress protection (back) IP21 LED fixings Front access Storage temperature range -10 - +50°C Conditions de 10 - 90 non-condensing fonctionnement Operating temperature (min) To C Greyscale processing 16 bits depth Viewing side Active A | | 500mm |
| Standard active module area Viewing angle - horizontal Viewing angle - vertical Ingress protection (front) Ingress protection (back) IP21 LED fixings Front access Storage temperature range -10 - +50°C Conditions de 10 - 90 non-condensing fonctionnement Operating temperature (min) Operating temperature (max) Couleur Greyscale processing depth Number of colours Refresh rate Prightness (before calibration) Brightness (after calibration) Brightness (after calibration) Contrast ratio Brightness control levels Puissance Input power (max) Other Mechanical alignment adjustment Mitering -160° IP21 IP43 IP43 IP43 IP43 IP45 IP43 IP45 IP45 IP45 IP45 IP45 IP45 IP45 IP45 | | |
| Area Viewing angle - horizontal Viewing angle - vertical Ingress protection (front) Ingress protection (back) IED fixings Storage temperature range Conditions de fonctionnement Operating temperature (min) Operating temperature (max) Couleur Greyscale processing depth Number of colours Refresh rate Sa600 Hz Luminosité Brightness (before calibration) Brightness (after calibration) Contrast ratio Brightness control levels Puissance Input power (max) Other Mechanical alignment adjustment Mitering 160° IP21 IP43 IP43 IP43 IP49 IP40 IP40 IP40 IP40 IP40 IP40 IP40 IP40 | _ | |
| Viewing angle - vertical >160° Ingress protection (front) IP43 Ingress protection (back) IP21 LED fixings Front access Storage temperature range -10 - +50°C Conditions de fonctionnement 10 - 90 non-condensing Operating temperature (min) -10°C Operating temperature (max) 50°C Couleur Greyscale processing depth Number of colours 281 (trillions) Refresh rate >3660 Hz Luminosité Brightness (before calibration) 650nits Brightness (after acilibration) 650nits Contrast ratio 4 000 Brightness control levels 256 Puissance Input power (max) 60watts per panel Other Mechanical alignment adjustment Mitering -90° | | 0.1406m2 |
| Ingress protection (front) Ingress protection (back) IP21 LED fixings Front access Storage temperature range -10 - +50°C Conditions de fonctionnement Operating temperature (min) Operating temperature (min) Operating temperature (max) Couleur Greyscale processing depth Number of colours Refresh rate -3660 Hz Luminosité Brightness (before calibration) Brightness (after calibration) Contrast ratio A 000 Brightness control levels Puissance Input power (max) Other Mechanical alignment adjustment Mitering In - +50°C -10 | Viewing angle - horizontal | >160° |
| Ingress protection (back) IP21 LED fixings Front access Storage temperature range -10 - +50°C Conditions de fonctionnement Operating temperature (min) Operating temperature (max) Couleur Greyscale processing depth Number of colours Refresh rate >3660 Hz Luminosité Brightness (before calibration) Brightness (after calibration) Contrast ratio A 000 Brightness control levels Puissance Input power (max) Other Mechanical alignment adjustment Mitering Front access Front access Front access Front access Front access 10 - 90° 10 - 90 non-condensing 10 - 90 occ 1 | Viewing angle - vertical | >160° |
| LED fixings Front access Storage temperature range -10 - +50°C Conditions de 10 - 90 non-condensing fonctionnement Operating temperature (min) Operating temperature 50°C (max) Couleur Greyscale processing 16 bits depth Number of colours 281 (trillions) Refresh rate >3660 Hz Luminosité Brightness (before alibration) Brightness (after calibration) Contrast ratio 4 000 Brightness control levels 256 Puissance Input power (max) 60watts per panel Other Mechanical alignment adjustment Mitering -90° | Ingress protection (front) | IP43 |
| Storage temperature range -10 - +50°C Conditions de fonctionnement Operating temperature (min) Operating temperature 50°C (max) Couleur Greyscale processing 16 bits depth Number of colours 281 (trillions) Refresh rate >3660 Hz Luminosité Brightness (before 650nits calibration) Brightness (after calibration) Contrast ratio 4 000 Brightness control levels 256 Puissance Input power (max) 60watts per panel Other Mechanical alignment adjustment Mitering -90° | Ingress protection (back) | IP21 |
| Conditions de fonctionnement Operating temperature (min) Operating temperature 50°C (max) Couleur Greyscale processing 16 bits depth Number of colours 281 (trillions) Refresh rate >3660 Hz Luminosité Brightness (before 650nits calibration) Brightness (after 650nits calibration) Contrast ratio 4 000 Brightness control levels 256 Puissance Input power (max) 60watts per panel Other Mechanical alignment adjustment Mitering -90° | LED fixings | Front access |
| fonctionnement Operating temperature (min) Operating temperature (max) Couleur Greyscale processing depth Number of colours Refresh rate Luminosité Brightness (before calibration) Brightness (after calibration) Contrast ratio A 000 Brightness control levels Description Brightness control levels Contrast ratio Contrast ratio A 000 Contrast rat | Storage temperature range | -10 - +50°C |
| Operating temperature (min) Operating temperature (max) Couleur Greyscale processing depth Number of colours Refresh rate Luminosité Brightness (before calibration) Brightness (after calibration) Contrast ratio A 000 Brightness control levels Puissance Input power (max) Other Mechanical alignment adjustment Mitering Sove C Overating temperature 16 bits 1 | | 10 - 90 non-condensing |
| (min) Operating temperature (max) Couleur Greyscale processing 16 bits depth Number of colours 281 (trillions) Refresh rate >3660 Hz Luminosité Brightness (before calibration) Brightness (after aclibration) Contrast ratio 4 000 Brightness control levels 256 Puissance Input power (max) 60watts per panel Other Mechanical alignment adjustment Mitering -90° | | -10°C |
| (max) Couleur Greyscale processing depth Number of colours 281 (trillions) Refresh rate >3660 Hz Luminosité Frightness (before calibration) Brightness (after calibration) 650nits Contrast ratio 4 000 Brightness control levels 256 Puissance Input power (max) 60watts per panel Other Mechanical alignment adjustment Mitering -90° | (min) | |
| Couleur 16 bits Greyscale processing depth 16 bits Number of colours 281 (trillions) Refresh rate >3660 Hz Luminosité Brightness (before calibration) Brightness (after calibration) 650nits Contrast ratio 4 000 Brightness control levels 256 Puissance Input power (max) 60watts per panel Other Mechanical alignment adjustment x/y/z (x/y/z planes) Mitering -90° | | 50°C |
| Greyscale processing depth | | |
| depth 281 (trillions) Number of colours 281 (trillions) Refresh rate >3660 Hz Luminosité Striphtness (before calibration) Brightness (after calibration) 650nits Contrast ratio 4 000 Brightness control levels 256 Puissance Input power (max) 60watts per panel Other Mechanical alignment adjustment Mitering -90° | | |
| Number of colours 281 (trillions) Refresh rate >3660 Hz Luminosité 650nits Brightness (before calibration) 650nits Brightness (after calibration) 6000 Contrast ratio 4 000 Brightness control levels 256 Puissance Input power (max) 60watts per panel Other Mechanical alignment adjustment Mitering -90° | | 16 bits |
| Refresh rate >3660 Hz Luminosité 650nits Brightness (before calibration) 650nits Brightness (after calibration) 650nits Contrast ratio 4 000 Brightness control levels 256 Puissance Input power (max) 60watts per panel Other Mechanical alignment adjustment Mitering -90° | | 004 (178) |
| Luminosité Brightness (before 650nits calibration) Brightness (after 650nits calibration) Contrast ratio 4 000 Brightness control levels 256 Puissance Input power (max) 60watts per panel Other Mechanical alignment adjustment Mitering -90° | | |
| Brightness (before calibration) 650nits Brightness (after calibration) 650nits Contrast ratio 4 000 Brightness control levels 256 Puissance Input power (max) 60watts per panel Other Mechanical alignment adjustment Mitering -90° | | >3660 Hz |
| calibration) Brightness (after calibration) 650nits Contrast ratio 4 000 Brightness control levels 256 Puissance Input power (max) 60watts per panel Other Mechanical alignment adjustment Mitering -90° | | 050.1 |
| Brightness (after calibration) 650nits Contrast ratio 4 000 Brightness control levels 256 Puissance Input power (max) 60watts per panel Other Mechanical alignment adjustment Mitering -90° | | SIINUCO |
| calibration) 4 000 Contrast ratio 4 000 Brightness control levels 256 Puissance Input power (max) 60watts per panel Other Wechanical alignment adjustment Mitering -90° | | GEOnito |
| Contrast ratio 4 000 Brightness control levels 256 Puissance Input power (max) 60watts per panel Other Wechanical alignment adjustment Mitering -90° | | OOUTIES |
| Brightness control levels 256 Puissance Input power (max) 60watts per panel Other Mechanical alignment adjustment Mitering -90° | • | 4 000 |
| Puissance Input power (max) 60watts per panel Other Mechanical alignment | | |
| Input power (max) 60watts per panel Other Mechanical alignment adjustment Mitering -90° | | 200 |
| Other Mechanical alignment | | 60 watte per panel |
| Mechanical alignment adjustment x/y/z (x/y/z planes) Mitering -90° | | oowatta per parier |
| Mitering -90° | Mechanical alignment | x/y/z (x/y/z planes) |
| 3 | - | -90° |
| | . 0 | |
| | | |